

## WHAT IS CLAIMED IS:

1. A web-fed rotary press (10) for printing on a web substrate (12) using heat-set inks in an offset printing process, having at least one print unit (14) and one dryer (16), characterized by at least one additional device (18) for inputting heat into the web substrate (12).
2. The web-fed rotary press (10) as recited in claim 1, wherein, along the path (36) of the web substrate (12) through the web-fed rotary press (10), the device (18) for inputting heat is positioned upstream from the at least one print unit (14).
3. The web-fed rotary press (10) as recited in claim 1 or 2, wherein the device (18) for inputting heat includes at least one steam-heatable roller (38) and/or at least one water-heatable roller (38) and/or at least one microwave source and/or at least one infrared light source.
4. The web-fed rotary press (10) as recited in one of the preceding claims, wherein the device (18) for inputting heat includes at least one cooling unit (40), which is arranged in the last position along the path (36) of the web substrate (12) through the device (18) for inputting heat.
5. The web-fed rotary press (10) as recited in claim 4, wherein the cooling unit includes a number of chill rolls (42).
6. The web-fed rotary press (10) as recited in one of the preceding claims, wherein the device (18) for inputting heat has at least one device for producing a lateral tension in the web substrate.
7. The web-fed rotary press (10) as recited in claim 6, wherein the device for producing a lateral tension has a number of motorless belts and/or a number of grippers.

8. The web-fed rotary press (10) as recited in one of the preceding claims, wherein the device (18) for inputting heat is fed by the exhaust air from the dryer (16).
9. A method for minimizing fluting in a web-fed rotary press (10) for printing on a web substrate (12) using heat-set inks in an offset printing process, the web substrate (12), which is guided through the web-fed rotary press (10) along a path (36), being printed on by at least one print unit (14) and, once imprinted, being dried, wherein heat is supplied to the web substrate (12) at least at one other location along the path (36) through the web-fed rotary press (10).
10. A method for minimizing fluting in a web-fed rotary press (10) as recited in claim 9, wherein the web substrate (12) is tensioned laterally during the heat input operation at the at least one other location.